M16A1 RIFLE

ARMORER/DEPOT
MAINTENANCE AND REPAIR MANUAL
REVISED JANUARY 1980



WANHINGS

WANNING: IF THIS FIREARM IS CARELESSLY ON IMPROPERLY HANDLED, UNINTENTIONAL DISCHARGE COULD RESULT AND COULD CAUSE INJURY, DEATH, OR DAMAGE TO PROPERTY.

CAUSE INJURY, DEATH, ON DAMAGE TO PROVEHITY.

WARNING HET HE BARNEL IS YESY HOT FROM FIRING THERE IS A RISK
OF COOK-OFF (B.*. A NOUND IN THE CHAMBER DISCARAGING BY
ASSORBING HEAT FROM THE BARNEL). A COOK-OFF CAN OCCUL ANY
THE CATER CHAMBER HING A ROUND IN A VERY HOT BARREL. WHEN
HE CATER CHAMBER OF THE CHAMBER HING THE CLEARLE
HER DATE IS TRIPING.

IMMEDIATELY AFTER FORMS.
WANHING ID NOT ATTEMPT TO FIRE IF WATER IS IN THE BARREL
FROM FORDING, NEAVY RAIN OR THICK FOG. OPEN THE BOLT AND
ALLOW WATER TO DRAIN BEFORE FIRING, CLEAN A WET RIFLE AS
SOON AS FOSSIBLE.

FIVE BASIC CAPETY BIH PC

- 1. ALWAYS POINT A GUN IN A SAFE DIRECTION.
- 2. KEEP FIRE CONTROL SELECTOR ON SAFE UNTIL READY TO FIRE.
- 3. UNLOAD WHEN NOT IN USE.
- 4. ALWAYS ENSURE A GUN IS NOT LOADED BEFORE CLEANING OR DISMANTLING.

 BRACTICE HANDLING AN EMPTY OUR REFORE ATTEMPTING TO
- 5. PRACTICE HANDLING AN EMPTY GUN BEFORE ATTEMPTING FIRE.

CAUTIONS FON FINING

- WEAR EAR PROTECTION WHEN SNOOTING ON A RANGE TO RE-DUCE THE RISK OF CUMULATIVE LONG TERM PERMANENT NEAR-ING LOSS.
- SE SURE OF YOUR TARGET AND THE AREA BEHIND IT, WITHOUT AN ADEQUATE BACKSTOP, BULLETS MAY TRAVEL UP TO 3 MILES PAST OR THROUGH YOUR TARGET.
- 3. TAKE PRECAUTIONS TO AVOID ODNTAINHATION BY ACCUMULA-TIONS OF TOXIC GAS FUMES OR LE HADOUST WHERE FIRE AMMS ARE USED INDOURS OR WITHIN A CONFINED SPACE.

CAUTIONS FOR MAINTENANCE

- ENSURE THAT MAGAZINE IS REMOVED AND THE RIFLE IS NOT LOADED BEFORE STRIPPING, CLEANING OR INSPECTING SO THAT IT WILL NOT FIRE.
- 2. WEAR SAFETY CLASSES IN CASE YOU LOSE CONTROL OF SOME SPRING LOADED COMPONENT WHICH COULD INJURE YOUR EYES.
- DO HOT PERMITLIVE AMMUNITION IN OR NEAR THE WORK AREA.
 TAKE PRECAUTIONS WHEN NANDLING CLEANING FLUIDS AND LUBRICANTS, IF IN DOUBT SEEK ADVICE FROM THE MANUFACTURERS OF THESE PRODUCTS.

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	(3 54-4 15 kg m)	39
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*Use Combination Wrench 52695, with Torque Wrench, 94162
**Use Wrench, 94158, with Torque Wrench, 94161

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ASSOCIATED MANUAL

The scope of this manual, CM102 is outlined on page 1. For unit maintenance and operator's information and instructions on the 5.56 mm M16A1 Rifle, refer to Cott Manual CM101.

CHAPTER I... INTRODUCTION

SECTION 1-GENERAL

1-1. Scope

This manual provides specific instructions for the inspection and maintenance of the 5.58mm Rifle, M16A1, Boock 1.08 Model M3; beyond time, M7; and soabbed, M8A1 by armore and depot shop personnel. The information and instructions provided are normally beyond the scope of tools and equipment existable to the operator and/or his operational unit.



FIGURE 1-1. MISA1 RIFLE (RIGHT VIEW)



FIGURE 1-2. MISSAI RIFLE (LEFT VIEW)

1-2. Recommendations for Improvement of this Manual

User reports of errors or orbissions and recommendations for Improving this manual are encouraged. It is requested that such reports be submitted to:

Colt Industries

Firearms Division

Hartford, Connecticut 06102 U.S.A.

SECTION 2—DESCRIPTION AND DATA

1-3. General

Refer to Colt Manual No. CM101, Chapter I, Section 2, page 2, for a description of the rife and artificinal information

3.20 21

CHAPTER II ... REPAIR AND MAINTENANCE INSTRUCTIONS

SECTION 1-REPAIR PARTS, SPECIAL TOOLS, AND EQUIPMENT

2-1. Repoir Parts

2-1.1 Repair parts for operator and unit maintenance are listed in Colt.

Manuel No. CM101, Appendix B, page 64. 2-1.1 Repair parts for armorer and depot maintenance are listed and

Mustrated in Appendix B. page 50 of this manual. 2-2. Special Tools and Equipment

Punch Drive Plo-1/14*

The special tools and equipment required for the maintenance and repair operations described in this manual are listed in Tables 2-1 and 2-2. which follow, and in Appendix A. page 44 of this manual.

TABLE 2-1, ARMORER'S KIT, M16 &			
	Colt	Figure	Page
Tool	Part No.	No.	No.
Armorer's Kit, M16 & M16A1 Rifle	62675	C1	65
Tool Box, Steel	91414	C1	65
Brush, Bore Cleaning	94144	A1	44
Brush, Chamber Cleaning	94145	A1	44
Punch, Center	94148	6-2B	39
Depressor, Front Sight Detent	62672	A12	48
Depressor, Pivot Pin Detent	62673	A11	47
Gage, Firmg Pin Protrusion	52679	A7	46
Gage, Headspace	T27921	A4	45
Wrench Handle, Flexible	94147	3-2C	21
		3-2P	22
		3-2Q	23
Hammer, Ball Peen 6 oz.	94148		_
Harrymer, Bail Peen 16 oz.	94149	_	_
Hammer, Soft Face	94150	_	_
Piters, External Retaining Ring	94151	3-2s	23

94152

TABLE 2-1, ARMORER'S KIT, M16 & M16A1 RIFLE (Cont.)

Tool	Colt Part No.	Figure No.	Page No.
Punch, Drive Pin (Gas Tube)	62697	A10	47
Punch, Drive Pin1/w	94154	A5	46
Punch, Drive Pin—16*	94155	3-2K	22
Punch, Drive Pin-14"	94156	Pera. 6-2	37
Punch, Bolt Catch Pivot Pin	62680	A9	47
Punch, Taper Pln Starter	62682	A5	46
Punch, Tager Pin Insertion	62683	AS	46
Flod, Cleaning, 5.56 mm	62702	Al	44
Screwdriver, Flat Blade Mechanics	94157	3-22	24
Screwdriver, Flat Blade Mechanics	94157	4-1A	33
Setter, Punch-180 t0 x 31/2" long	62688	_	
Setter, Punch-190 ID x 31/2" long	62689	_	_
Setter, Punch-190 ID x 6" long	62690		_
Setter, Punch-220 ID x 31/2" long	62691	_	_
Setter, Punch—(with flat) Socket, Hex-bit Wrench	62692	AB	46
(with short bit)	94158	6-3A	39
Tool, Alignment, Barrel Nut	62693	6-1B	36
Tool, Pivot Pin Detent Installation	62698	A8	46
Tool, Reflector, Chamber	62894	2-3 A A3	178 4
Tool, Swaging, Flivet	62715	C1	5
Vise Javes, Barrel Removal Vise, Bench, Machinists 4*	62695	A13	49
(Optional)	94154	-	_
Wrench, Combination	62696	A2	45
Wrench, Front Sight Post	62699	A12	46
Wrench, Socket Head Hex Screw Wrench, Torque Limiting, 14" Square	94160	6-2A	39
Drive	94161	6-2A	39
Wrench, Torque Limiting, 1/1" Square Drive	94162	6-28	36

item No.	Homenclature	Quanti
1	Cleaner, Tobacco Pipe	AB
2	Cleaning Compound, Rifle Bore (U.S. Federal	
	Specification, P-C-111 or equivalent)	AR
3	Cleaning Compound, Solvent (U.S. Specification	
	MIL-C-372 or equivelent)	AR
4	Cloth, Abrasive Crocus Ferric Oxide and Quartz	AR
5	Grease, Molybdenum Disulfide (U.S. Speci-	
	fication MIL-G-21184 or equivalent)	AR
6	Lacquer: Black (jet) Lusterless Acrylic Nitro-	
	Cellulose type (touch up) (U.S. Federal Speci-	
	fication TT-L-50D, Type 1 or U.S. Specifi-	
	cation MIL-L 19538; Color 37038)	AR
7	Lubricating Oil, Sami-Fluid (LSA), (U.S. Speci-	
	fication MiL-L-46000)	AR
8	Lubricating Oil, Automatic Weapons (LAW) (U.S.	
	Specification MIL-L-14107)	AR
9	Lubricating Oil, General Purpose Preservative	
	(U.S. Federal Specification VV-L-800 or	
	equivalent)	AR
10	Penetrating Oil (U.S. Federal Specification VV-P-	
	216 or equivalent)	AR
11	Rag, Wiping, Cotton	AR
12	Sealing Compound, "Permatax No. 3D Aviation	
	Form-A-Gasket" (Permatex Co., Brooklyn, N.Y.)	AB
13	Swab, Small Arms Cleaning	AR.

AR - As Required

Note: The weapon is competible with and will function properly using any good grade of oil and bore cleaner. The above formulations are recommended only because it is believed they are the best for all firearms, but equivalent materials would be acceptable.

SECTION 2—TROUBLESHOOTING

2-3. General

Troubleshooting instructions are contained in Colt Manual No. CM101 Chapter III, Section 5, page 52.

SECTION 3—MAINTENANCE INSPECTIONS

2-4. General

noplind

This section provides specific instructions for inspection of material in the field or in maintenance shops. Troublishooting information is incorporated wherwer and vable as a normal phase of inspection.

2-8. Purpose of Inspection

Inspections are made for the purpose of (1) determining the condition of an hem as to its serviceability, (2) recognizing conditions that would cause failure; (3) assuring proper application of maintenance policies al prescribed levels, and (4) determining the ability of a unit to accomplish its maintenance and supply mission.

2-8. Categories of Inspection

The categories of inspection performed by direct and general support maintenance personnel are listed in paragraphs 2-7 and 2-8 following. For inspection procedures, refer to Table 2-3, page 1.

2-7. Inspection of Material in the Field

This is the inspection of equipment to detect probable failure before unservocability occurs. Inspection to determine the availability and use of sechnical and supply manuals and libbrastion instructions, inspection to determine the accuracy of records, authorized technical of equipment and auppties, practice of supply occurs, and accuracy of recording to the proper procedures for requisitioning supplies and equipment, and between the times.

2-8. Direct and General Support Inspection
2-8.1 Initial Inspection. This is an inspection of material received in maintenance shops for purposes of determining the degree of repairs and parts requirements. This includes determination of modification work orders to be

7

2-8.2 in Process Inspections. These are inspections performed in the process of repairing the material, to insure that all parts conform to the prescribed repair standards, that the workmanship is in accordance with approved methods and procedures, and that deficences not disclosed by initial inspec-

tion are found and corrected.

2-8.3 Final inspection. This is an acceptance inspection performed by a final inspector, after repetit have been completed, to issuers that the material is acceptable for return to user or for return to readcoverent stock, expecting to

established procedures. 2-9. Inspection Procedures

The inspection procedures for the rifle and based after disassembly are shown in Table 2-3, page 9, and specific instructions on inspection prior to disassembly are shown in prepared 9.4 (history

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CAUTIONS:

1. ENSURE THAT MAGAZINE IS REMOVED AND THE RIFLE IS NOT LOADED BEFORE STRIPPING, CLEANING OR INSPECTING SO THAT IT WILL NOT ENTER.

2. WEAR SAFETY GLASSES IN CASE YOU LOSE CONTROL OF SOME SPRING LOADED COMPONENT WHICH COULD INJURE YOUR EYES.

3. DO NOT PERMIT LIVE AMMUNITION IN OR NEAR THE WORK AREA.

2-10. Inspection Prior to Disassembly

NOTE: Check to see that the rifle and accessories have been cleaned of all greate, oil, dirt, or foreign matter which might interfere with proper functioning or obscure the true contribution of the parts.

2-10.1 Make an overall respection of the rifle and accessones tor general appearance, condition and operation

2-19.2 On material turned in for repair, make an initial inspection to determine the extent of repair required and the basis of procuring the parts or assembles necessary to according the repair.

2-10.3 Refer to Chapter V, page 34 for functional inspections.

TABLE 2-3-MAINTENANCE INSPECTIONS

Field Inspection	S	rect and leneral upport spection	Action &
Spot Chrick	Ini-	In Process	
. MAGAZINE	ASSE	MBLY	
x	х	_	A. Visually inspect magazine box for bulges, donts, cracks, bent cover Eps, excessive wear, damaged feeder lips or bent or broken base plate retaining tabs.
x	x	-	Check rear area of follower for chips or excessive wear which would impair functioning of the bolt catch.
×	x	-	 C. Examine springs for breaks, corrosion, or improper assembly to the follower.
UPPER RE	CEIVE	A GROUP	
			A. General
×	x	-	Imspect for cracks or mutita- tion which would affect function. Small dents or gouges should not be cause for rejection.
×	×	-	(2) Inspect all parts for wear or damage
x	x	×	(3) Check springs for breaks or deformations.
			B. Handquard Assembly

X X — (1) Inspect for breaks and separation of handguard from lines.

TABLE 2-3-MAINTENANCE INSPECTIONS (Cont.)

	Déc	ect and	
Field Inspection	Si	eneral upport pection	Action
Spot Check	tni- tiai	In Process	
x	x	-	(2) Inspect for dents, cracks, or chapping that would impair the functioning of components or the weapon.
			C. Barrel and Barrel Extension
×	×	-	(1) Inspect surfaces for cracks or other defects.
x	×	-	(2) Check barrel extension for burns, or broken or worn locking lugs.
×	×	-	(3) Check bore for cleanliness and freedom from corrosion.
x	×	****	(4) Individual pts as large in diameter as a land or groove width are allowable in the bore only. Uniformly line pits are acceptable in the bore
x	x	-	(5) When viewed with the naked eye, lands that appear dark due to coating of gilding metal from projectiles are allowable.
x	x	-	(6) Definitely ringed bores or bores ringed sufficiently to budge the outside surface of the barrel are cause for rejection

TABLE 2-3-MAINTENANCE INSPECTIONS (Cont.)

Field Inspection	S	rect and leneral upport spection	Action	Baturan
Spot Check	lni- tiai	In Process		
x	x	_	(7) Inspect for harriel arosen. A borrecope or cysticappe will greatly assist in this supportion. Appreciable onesion can exist and the rifle may still target satisfactionly. Target group size obtained by test fining about to the final criterion used to judge the acceptability of the barrel. The maximum permissible group size should be established by the user.	
x	×	-	(8) Inspect chamber for cleanil- ness and freedom front carbon deposits and corresion.	Figure 2-3 page 17
×	×		(10) Impact chamber for pitting injuried primaler influence processing primaler processing processing primaler processing processing control processing control processing pr	Figure 2-3 page 17

TABLE 2-3-MAINTENANCE INSPECTIONS (Cont.)

Field Inspection		2	rect and Seneral Support Spection	Action	Referen
	Spot	tri- tial	In Process		
	×	×	×	(11) Check headspace, using Headspace Gage T-27921.	Figure 2-2 page 16
	×	x	_	D. Front Sight and Gas Tube	
	x	X	_	(1) Check front sight for cracks and general condition.	
	×	x	-	(2) Check front sight post and detent for runt or other deficien- cies which could cause restricted movement.	
	×	×	_	(3) Check gas tube for cracks, deformbes, or eccentric wear at rear tip.	
	×	×	_	E. Ejection Port Cover Assembly	
	×	×		(1) Check for bent, twisted or dented cover,	
	×	×	×	(2) Check detent, and C ring for breakage or corrosion.	
	×	x	×	(3) Check for broken, or dis- torted cover spring.	
	×	×	-	F. Forward Assist. Check for corrosion and free function.	
	x	×		G. Rear Sight. Check for broken or corroded windage drum and for corrosion between sight leaf and receiver	
	3. BOLT CARE	NER G	FOUP		
	x	×	-	Check for cracks or deforma- ties in bolt (carn pin hole area).	
	x	X	-	Inspect bolt for pitted or chapped bolt face, elongated finng pin hole, or corroded	

TABLE 2-3-MAINTENANCE INSPECTIONS (Cort.)

Field Inspection	Direct and General Support Inspection		Action	Referen
Spot Check	in- tial	In Process		
x	×	×	C. Each bott locking jus should be inspected principally for crucks. Use a black light if available, otherwise use a rigar of no more than 3K magnification Particular attention must be greated in a more than 3K magnification Particular uterition must be greated by the contractor soft, particularly where the near shoulder of the lug meets the bott body, as exhibiting crucking, or which was definitely suspect, will be replaced.	
x	x	x	D. Inspect for broken bolt rings and proper apacing in ring ages. Ring ages are to be staggered to prevent loss of pic pressure. Check effectiveness of rings as follows: With Ring pen and cam pre monoed, and bott assembled to bolt carrier, hold carrier vertically with key pointing downerd Bolt should not drop out, or former; if bott drops out, majous bolt rings.	•
x	x	-	 E. Inspect firing pin for wear an burns. 	d
×	×	×	F. Check liting per protru- sion, using gage 62679. Protrusion should be between 0.028 & 0.036 in. (0.711 mm- 0.914 mm).	Figure 2- page 17
x	×	-	G. Check key and bott carner assembly for cracks, burns, chips, rust, or blockage of the key bore and gas passages, and for a bent or dented carrier key.	3

13

TABLE 2-3-MAINTENANCE INSPECTIONS (Cont.)

Field Inspection				Reference		
Spot Check	Ini- Ital	In Process				
x	x	x	H. Check socket head cap screws. They must be properly tightened and staked. Check for evidence of gas leakage be- tween carrier and key.	Figure 6-2, page 39		
×	×	×	Inspect extractor assembly for cracks in the claw areas, elon- gated plvot holes, a bent or broken extractor spring, and damaged or missing rubber plug.			
×	x	×	J. Check for broken extractor pivot pin.			
4. LOWER RE	CEIVE	R GROUP	•			
			A. General			
×	X	_	 Inspect for cracks, corrosion or multistion which would affect functioning. Small dents or gouges will not be cause for rejection. Corroded areas should be noted for immediate repair. 			
×	×	-	(2) Inspect all parts for wear and damage.			
×	x	×	(3) Check springs for breaks or deformation.			
-	×	×	(4) Check trigger pull, minimum 5.5 lb., maximum 8.5 lb (2.49 kg- 3.86 kg).			
			B. Stock Assembly			

 Inspect for breaks and separations of material which prevent proper returnion or interference with proper functioning of weapon.

TABLE 2-3-MAINTENANCE INSPECTIONS (Cont.)

Field Inspection	G S	ect and eneral apport section	Action	Referen
Spot	Ini	, In		

(2) Inspect for dents, cracks and chipping that would impair the functioning of components or weapon.

5 BIPOD AND CASE

A. Inspect the bigod legs; they shall move freely from closed to open position under spring tension. Inspect for rust and shiny areas. Any found must be

- touched-up. B. Blood must hold securely to the one.
- C. Chack case for boles or low stitches

φ.	DATUME	I AMU SC	MODAL	,
	x	х	_	A. Inspect beyonet for chippe or broken gripe, messing grip screws, borit, rusted, or mesin latches. Eatches must open ar close freely and beyonet must hold securely to carbine.
	x	×	-	 B. Inspect scabbard for missa rivets, torn webbing, broken or cracked body and torn or miss

lace. Check that snap fastenes holds Smile

FIGURE 2.1 DISASSEMBLY OF BEAR SWIVEL







B. REAR SWIVE HEMONED

FIGURE 2-2. HEADSPACE CHECK





A. HEADSPACE GAGE INSTALLATION (P/N T27921)





C. BOLT INSTALLATION

D. PROPER HEADSPACE INDICATION ROLL WILL NOT DO TO LOCKED POSITION.

FIGURE 2.3 CHAMBER MIRECTON



CHAMBER

BEEL POTOR





INSPECTION

BARTALL ATTOM B. CHAMBER VISUAL LINE 2-4. FIRMIG PIN PROTRUSION CHECK





A FIRMAD PRI DOCTOLOGOU GAGE (PAI 63670)

B. FROMO PRI PROTERIONOM CHECK

NOTE: With the firing pin held firmly forward in the bolt, the and of the firing pin the and of the pin (See Figure 2-4) without touching it, and the and marked "MIN" ("NO-GO" -- 028 in. 0.71 mm) should hit the and of the linns per end not pass over it.

CHAPTER III - REPAIR INSTRUCTIONS

3-1. General

A. This section contains repair instructions and authorized pirect and general support maintenance in the removal, disassembly, cleaning, inspection, tubrination measir and assembly of major groups and assembles for the M16A1 Fifte and its accessories.

B. Refer to Table 3-1, page 19, for guide to maintenance functions.

C. Disassemble in accordance with the instructions contained in Colt Manual No. CM101, page 31, and Figures 3-1, through 3-3, pages 20-28 of this manual

3-2. Replacement of parts.

Fleplace all parts that are worn, demaged, cracked or broken. All replacement parts are interchangeable and require no adjustments at installation. However, to insure proper function and reliability, the following pregautions should be teken:

3-2.1 Do not interchange botts and holt carriers unless replacement is necessary. Keep the bolt with the original bolt carrier

3-2.2 If replacement of either part becomes recessary, carefully check the new part to see that if fits properly, operates smoothly, and that the proper head spece is provided (See Figure 2-2, page 16).

3-2.3 If one or more rings of the bolt assembly are damaged, replace the three rings as a set.

2-2.4 When assembling a bolt with new rings into the bolt carrier, rotate the bolt while pushing it into the carner to prevent damaging the rings. Move the boft in and out several times to sent the rings.

3-2.5 If the bolt cerrier key is replaced, it may be reconstry to create a soul between the bott carrier and key by finns 5 to 8 muryle. (Manual operation of the rife may be required.) Sealing compound (Table 2-2, item 12, page 5.) may also be required prior to assembly of the key and bolt carrier. (See Chan-

ter VI. paragraph 6-2 1.4 page 39.1 3-2.6 See page 31 for installation of replacement barrel and front sight

seembly.

P.U. 6-2, H.32

Na del Più

Pet 4-3 Ppg

		900 899	COST NAMAL NO. CIR 151				0007	COLT MANNAL, NO. CIB-102	_
1	Particular Institution	Obsessedity	Chaseing	Labelcoriton	Assessiy	Dissembly		Comments Assessed to	1
Magazon	2000	THE BENTY	Par Balitan	Par 547.941	Pa 34 PG	Fa Act Page			
America			Bred 3-11, FAB		and 2-14,830				
Describer Describer		Par 3-4 831	Par 34,721 and 311 Pag	Par 5-7,841 and 5-13,899	Para-A.P.cs and 3-re Pas	79.3-2,72	764.00	The SA Pe BART	Chapter V.P.36
Bot Carrier Green		Par 3-4,931 and 3-10,944	Par 25,731	Ptr 3-7 P41 BHC 3-12,750	Ptr 84,P45 and 3+14,P10		1824 P. C. B. C. B	Tible 5 Per 6-2738	Chapter VI.F.38
LONG.		Par 3-4,931 and 3-10,844	Par 3.5,F31 and 3-11 Peg	Par 3-7 P.41 and 3-13,P80	Pic Sa.P.cs and Dice Pic	Ag 33,728	7 S	Now 8-1 Per 6-2/29	Chapter M.P.35

FIGURE 3-1. MAGAZINE DISASSEMBLY A. REMOVE BOTTOM PLATE

B. REMOVE SPERING



C. REMOVE FOLLOWER



FIGURE 3-2. DISABSEMBLY OF UPPER RECEIVER GROUP



A. CHARGING HANDLE BOLL PIN REMOVAL

5. CHARGING HANDLE LATCH DISASSEMBLED.



C. FLASH SUPPRESSOR REMOVAL

(P/M 94147)



D. FLASH SUPPRESSOR REMOVED



E. FRONT SIGHT TAPER PIN REMOVAL (Starter nunch is abown. the intermediate nunch is then used, and laper pins are finally removed using the knock out punch.)



G. FRONT SIGHT REMOVAL H. FRONT SIGHT REMOVED 21

FIGURE 3-2. DISASSEMBLY OF UPPER RECEIVER GROUP (Cont.)





J GAS TUBE POLL PIN REMOVAL ("M" PUNCH, P N 82597)

Note: The swivel is stached by a rivet. The rivet may be removed by dolling off the fiared end and punching out the remaining shank. When installing a new rivet, flare the end using the tool, swaging,







FRONT SIGHT DETENT AND SPRING REMOVED



(WRENCH, PIN 62699 DEPRESSOR PN 62672)



P. BARREL NUT REMOVAL WRENCH NANDLE P/H 94147 COMBINATION WRENCH PIN 62696)

FIGURE 3-2. DISASSEMBLY OF UPPER RECEIVER GROUP (Cont.)





R. BARREL REMOVED



B BARREL BUT DISASSEMBLY



T HARREL BUT DISASSEMBLED





U. EJECTION PORT COVER PIN REMOVAL (Alternatively, if barrel is not to be removed, remove C clip from front of pin and withdraw pin



REMOVAL



REMOVED

REMOVED

FIGURE 3-2 DISASSEMBLY OF UPPER RECEIVER GROUP (Com)





Y. WIRDAGE DRUM REMOVED "[Also remove detent and spring]



AA WINDAGE SCREWAND SIGHT LEAF REMOVED







REMOVED

AE FORWARD ASSIST PAWL ROLL PIN REMOVAL



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FIGURE 3-2. DISASSEMBLY OF UPPER RECEIVER GROUP (Cont.)



AG. HOLT CARRIER KEY REMOVAL (FOR ASSEMBLY TORQUE SEE PAGE 39)

For belt carrier diseasembly see CM101, figure 3-3, page 33,

Fiole. The staked socket head screws may be difficult to remove. If so the off sufficient staked makerial to remove acrows and residuous key and screws with new components.

FIGURE 3-3. DISASSEMBLY OF LOWER RECEIVER GROUP





A. REAR SWIVEL SCREW AND BUTTPLATE



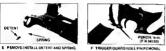


THE HOUSING UNLESS CAREFULLY CONTROLLED



CAUTION: DETENTS AND SPRINGS ARE UNDER TERRION AND WILL FLY OUT OF







FOLT CATCH PEMOVED







FIGURE 3-3. DISASSEMBLY OF LOWER PECEIVER GROUP (Cont.)





K PISTOL GRIF REMOVAL (ALSO SEE CM101 FIG. 3-15, P 47)





N. SELECTOR LEVER REMOVAL

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3-3. Cleaning and Lubrication

Clean and lubricate the material as instructed in Coll Manual No. CM 101. paragraphs 3-5, page 31. Also comply with the additional instructions in Table 3-2 below

TABLE 3-2—CLEANING AND LUBRICATION

	•	۰
item		
Darred		

Assembly

Action Recuired

If hard carbon is still evident in the chamber after cleaning, dip soak chamber and reclean. Dry thoroughly with

Barrel Nut

posits igside the tube.

A. Remove all evidence of dirt or rust. B. Prior to assembly, apply a costing of LSA oil to components of barrel nut assembly with the exception of the barrel nut threads which should be costed with molybdenum disufficie crease

Arroly a moneyous coat of LSA cut to the front sight onet detent, and spring prior to assembly

Front Sight Assembly Gas Toba

Remove carbon deposits from the extenor surface of the tedan

IMPORTANT: Do not use any type of abrassys material to clean the gas tube. A .063 in (1.60 mm) to .076 in. (1.93 mm) diameter spring wire may be used to dislodge de-

Upper Receiver Group

A. Apply a generous cost of LSA pil to all internal surfaces and a light cost to all external surfaces prior to assembly.

IMPORTANTE Do not use a wise brush on aluminum eur. faces such as the monivore

 Prior to assembly, thoroughly lubricate the election. port cover, and all components of the forward assest and front eacht assemblies with LSA rel.

NOTE: The ejection port cover latch shall not be disassembled. If the latch is inoperative, the section port cover assembly must be replaced.

TARLE 3-2-CLEANING AND LUBRICATION (CONT.)

General

Action Required

Calt Manual No. CM102 Ch NI

Bolt Carrier Clean the entractor racess in the bott. Group B. Clean the one exhaust ports in the bolt carrier with a

hand-held No. 36 drill (.106 in. 2.69 mm). . . Lower Receiver Group

A. Pror to assembly apply a penerous cost of LSA oil to all functional parts.

 B. Lubricate the threads of the lower receiver extension with a cost of molybdenum disulfide grease.

NOTE: Dry cleaning solvent may be used to clean or wash orease or oil from all parts of rifle and blood. Component parts which contain a hard carbon, such as the flash suppressor, barrel bore, bolt carrier group. will require special cleaning using parbon removing

compound CAUTION: FOLLOW SAFETY PRECAUTIONS FOR MANOLING CARRON DEMONING COMPONING TO PREVENT SKIN OR EYE DAMAGE.

A. Fill a suitable container with fresh compound. B. Remove all grease, dirt and of before sorking components in compound. Completely immerse parts to be classed in compound.

C. Soak for 2 to 16 hours. Remove parts and allow to dram. Flysse in dry cleaning solvent. Bost with a stiff bristle brush under running water to affectively remove carbon

Table 3-3 INSTALLING A REPLACEMENT BARREL AND

FRONT SIGNT ASSEMBLY

When installing a replacement barrel and from sight assembly, part no 62744, note that it includes the barrel, front sight assembly, barrel not and cap handquard See dem no. 8 on Figure 8-1, page 52 for allustration of

components

Step Action 1 CLEARRIFLE

 Disassemble by separating receivers and removing bolt carner assembly and charmon handle.

 Remove flash suppressor and lock washer and retain for as-

sembly on new barrel.

4 Remove gas tube roll on.

5 Remove gas tube by pushing it back through barrel not unfit front end is clear of front eight assorbily and cap handguard. Then, put gas tube clear and forward out of the barrel nut. Retain gas tube for assembly to new barrel and ensure that it is not barrel out.

dented.
6 Remove barrel nut and barrel from upper receiver.

When assembling barrel and barrel aut to receiver use the barrel aut aligning toot which must be installed in the namer.

 Disassemble barrel nut components leaving barrel nut on barrel. Retain snap ring, handguard, stip ring, handguard, and snaps for new barrel nut.

8 Install replacement barrel and front sight assembly, and reassemble rifle by following this procedure in reverse order and the instructions given for installing a barrel.

Belgrone

CM101, Pari 3-4, page

31, steps A, B and C
CM102, Fig. 3-2, page
21, steps C and D

CM102, Ch III, Fig. 3-2, page 22, step J

CM102, Ch. III, Fig. 3-2, page 22 and 23, steps P, Q, and R

steps P, Q, and R CM102, Ch. IV, Fig. 8-1, page 38, steps A. B and C

CM102, Ch. Ni, Fig. 3-2, page 23, steps S and T

CM102, Ch. IV, par. 6-2.12 page 37

CHAPTER IV... MATERIAL USED IN CONJUNCTION WITH

MAJOR ITEM

4-1. General
The Bayonet-Knife, U.S. Model M7, and Silyanet-Knife Scabbard, U.B. Model
M8A1, are used in contarction with the major from Refer to Manyual CM/101

for operator and organization maintenance instructions.

4-2. Direct and General Support Maimenance

4-2.1 Disassembly. Refer to Figure 4-1, page 33.

reset to rigure 4-1, page 33.

NOTE: Prior to disassembly, it is recommended that the right hand release and plate be marked to assist in identification when assembling the left and right hand releases. (See Floure 4-1, page 33).

4-2.2 Cleaning. Refer to Manual CM 101, page 31

4-2.3 Inspection and Repair

4-2.3.1. Bayonet-Knife

(a). Replace screws, if threads are stripped.
 (b). Replace cracked gaps.

(c) Replace spring pin if wom or damaged (d) Replace spring if kinked set or holder

(a). Herrove nicks and dents, as required by granding and/or storing.
(f) If wear is noted on the release carming area and positive retention to the rife is questionable, replace as required, if bridging is noted.

due to a bent release, repair by straightening or replace release

(g) Use flat black facquer if shiny surfaces are on handle of blade.

4-2.3.2. Beyonet-Knife Scabbard, U.S. Model MSA1.

(a) Metal parts will be dark. If the finish of metal is worn, list black lacquor may be applied.

(b) If the scabbard is chapped, exposing the fabric or the surface is.

scratched or marred, smooth as required and paint with olive drab lusterless anamel.

(c). Clean and/or replace broken or damaged lace.

FIGURE AL. REVONET AND FOR ARRESTMEN





II. GERPS REMOVED

A COMPRESSORAL





D. RELEASE DISASSEMBLED

C. RELEASE DISABSEMBLY

4-2.4 Assembly.
Assemble by reversing procedure in Figure 4-1.

CHAPTER V-RINAL INSPECTION

5-1. General

This chapter contains instructions for the final inspection of repaired rifes and bipods as applicitable, the filled and bipods must be checked in accordance with the procedures outlined in Table 2-3, page 9, and in paragraphs 5-1, it mough 5-1.3 which follows: Plaine that have been repaired shall be function find to assure proper function. Rifes that have been replaced which be function find to assure proper function. Rifes that have been rebarreied should be both hundred fined and find the accuracy.

5-1.1 Visual Inspection

Overall appearance shall be approximately that of a new weapon. All expensed metal surface are to have a deal, not or controllon resistant fleat with no burns or deep scratches. Burnels must be straight, diesan, three of nat, powder burille, place pits, bulges, or hong. Finn pitting is observable. Patter must be complete with no missing parts. The serial numbers must be legthe. All steep parts must be twee of nrts. Pell prims must be course and acrees must be sight. Check to be sum that all modifications surhorized to date have been recopporated.

5-1.2 Functional Inspection

The instructions for accomplishing a functional inspection are contained in Colt Manual No. CM101, Chapter II, Section 5, page 25.

5-1.3 Inspection of Critical Dimensions

Inspect for dimensional acceptability of headspace, fitting pin protinusion, burrel straightness, and extent of barrel erosion in accordance with the instructions contained in Table 2-3, page 9.

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CHAPTER VI... REPAIR REFINISHING AND REASSEMBLY

6-1. Receir and Refinish Procedures

Approved procedures for repair and refinishing of various surfaces of the rifle

6-1.1 Repair Procedures

The recommended repair procedures are by the application of touch-up coal-

ings and/or replacement of parts.

MOTE: Storing in accordance with standard stop precedures in permitted in non-critical areas for removal of mixor burns, nicks, or stight surface impartactors. Extreme care must be exercised to practice allevation of injuries care must be exercised to practice allevation of contract characteristics. Stude-typ of the stoned surface should be done as soon as prossible start scring or other shorted procedure for prevent confarmation procedure for prevent confarmation.

6-1-1-1 Dents and Gousses

6-1.1.1 Elems and Gougee (A) Smooth file perplays of the defect by filing, scraping, sanding, buffing, or other appropriate means to improve the appearance and to establish a clean. Firm contact area for the touch-up material.

(B) Weeh the area with solvent cleaning compound (Table 2-2, item 3, page 5) to remove all dust, grease, or other foreign particles.
 (C) Dry the surface, apply the touch-up finesh, and cure it in accordance

with the instructions furnished by the manufacturer. The lacquer in Table 2-2, item 6 page 6 should be used on all exposed, exterior surfaces of aluminum parts. The touch-up lacquer may also be used on clean steel surfaces which are exposed and are not subjected to heat.

6-1.1.2 Corroded Components

Corroded components, particularly the upper and lower receiver extension, may be replained when removal of the corrosion is possible by light sanding or buffing operations which will return the affected surface to a smooth condition for buch-up. Affected area shall be cleaned and refinished as specified in paragraph 6-1,11 above.

35

6-1.2 Corrective Action for Unusual Malfunctions

Cartridge Case Pro Shear

If the case cannot be removed from the chamber by the standard procedure (actuation of the bolt assembly), a cleaning rod may be inserted into the muzzle and the case may be pushed out of the chamber. If the chamber is found to be critical reviolosi the harm and front sent in assembly.

6.2. Ressembly for major groups shall include at nnossaary adjustments, spoolined torque applications (as indicated, using properly cellbrated and manifestand copies, and acconstant question states and accommodate, and accommodate, and accommodate, and accommodate, and accommodate, and accommodate, and accommodate and accommodate commodated as appetited in the manual. Storgue workness issued in Table 2.1, page 3. shall not be considered as manifestingly Reserver, the public page 3. shall not be considered as manifestingly Reserver, the public page 3. shall not be considered as manifestingly Reserver, the public page 3. shall not be considered as manifestingly Reserver, the public pub

NOTE: LSA oil or equivalent shall be applied to all moving contact surfaces during reassembly. Emphasis is directed to all our springs, particularly detent springs, and associated detents, plungers, and/or retainers. The fire control salactor must also be lub-icated at assembly.

The material shall be reassembled as specified in the following paragraphs

6-2.1. Upper Recaiver Group The upper receiver group shall be massembled by reversing the disassembly encodure and in accordance with the following instructions.

6-2.1.1 Front Sight.

Visually alons front soft taper pin holes before installation of new taper pins, install pins from right side with uniform application of force, using punch, pin 80882 Support the front sight on a block of wood, Florce applied shall not cause larger and of laper pin to enter to the point of being fault with sight trame surface. However, leading or small and of taper pin shall be flush or above soft frame surface after anotication of above force.

6-2.1.2 Barrel

During Installation of borrel aspensibly refor the upper receiver, extreme cure until the exercised to describe durings of the upper receiver adjument job for borrel search of the sile was a regiment job for the sile was job or despite receivers job acceptable. In the control for the sile was job acceptable, the control for the sile was job acceptable, the control for the sile was job acceptable, the control for multi-control for the sile was job acceptable, the control for what and the sensitive shall be coasied with inolytideness mid-salled greates, pages 6, silen 5, poor to assembly, that clarge explicit to be summer and shall be 30 files (4 files in yours given brings weren't, pile 44 files, and the comparison pages, and the silen shall be so that the control wide pages, and (2005), in a thorth configuration to file as a silent to trough shall be appeled as monoclassify to create decirance for the earthy of the year to be foreign the borrel for claims to be bringer that gloriest for of the silent pages to be foreign the borrel multi-claim to be triver that disponse for of the silent pages and the foreign that pages to be foreign the borrel multi-greater for of pinks.

FIGURE 6-1 BARREL NUT AND GAS TUBE/FRONT SIGHT ASSEMBLY





(P/N 62693) INSTALLED IN KEY





ASSEMBLY INSTALLED.

"MOTE: MAKE CERTAIN ALL THREE PINS OF THE COMBINATION WRENCH ARE FULLY ENGAGED WITH THE BARRIEL NUT

37

6-2.1.3 Flash Suppressor

Install the flash suppressor and lock washer with a torque of 25-30 ft lbs (4.15-5.53 kg m), using the combination wrench (P/n 82696) and the torque limiting wrench (p/n 94162), with the barrel held in the barrel removal vise was 6/n 62656 in a bench vise.

6-2.1.4 Boll Carner Group

2.1.4 on our curren croup.

See Coll Manual CMBO1, page 33, for assembly instruction. When installing the bold camele keys apply a thin cost of seeding compound (table 2.2, sem port.) pulmed to the control control

FIGURE 6-2. BOLT CARRIER KEY INSTALLATION



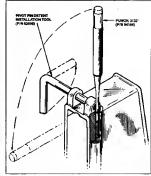
A. TOROUNG KEY SCREWS (35-40 IN. LBS.)



U SIANING KET OUTERS

#2.1.5 Lower Recover Group Sec 2016 for assembly instructions which are not actuated in this manual. Fielder to Figure 6-3 page 4.1, for installation of the proof pin detert and spring using the proof pin detert installation tool. Purficial care should be executed during installation of the insuriner assembly to reserve the decid of the histories gring are recipring on the upper purface of the trigger pin as the intermet spring are recipring on the upper purface of the trigger pin. See the first pinch are set in a statemer for the group pinch upper purface of the trigger pin as the intermet spring are stories on the upper purface of the trigger pin as the pinch are 5 page 4.20 for figure 6.5 for the Conference contenting the purpose of the pinch are page 4.20 for figure 6.5 for the Conference contenting pinch pinc

ENGINEE 6.3 OFFICE PROPERTY METALL ATTOM



A. DETENT AND DETENT SPRING INSTALLATION.

FIGURE 8-3. PIVOT PIN DETENT INSTALLATION (CONT.)



II. PEVOT PIK INSTALLATION

Action

- Insert the pivot pin detent installation tool (p/n 62698) in the pivot pin holes of the lower receiver as shown in Floure 6-3A.
- Stide the installation tool in sufficiently to locate its hole directly over the detent cavity
- Insert detent spring and detent through the hole in the installation tool and into the detent cavity
- Press the datent into the cavity with the 3/32 m, punch (p/n 94154) but stop the punch just at the top of the cavity.
 Rotate the installation tool and punch 90°.
- F. Hold the pivot pin firmty against the installation tool and push the installation tool out as shown in Figure 8-38.
- Rotate the pivot pin until the prvot pin drops into the pivot pin detent groove.

POURE 6-4. HAMMER SPRING AND TRIGGER PIN INSTALLATION



FIGURE 6-5. RECEIVER EXTENSION AND BUTTSTOCK INSTALLATION



A. IRSTALL DETENT ARD SPRING



C. TIGHTEN LOWER RECEIVER EXTENSION **ERSURING THAT BUFFER RETAINING DETENTIS** SECURE BUT FREE TO MOVE IN IT'S

ROUSING. TIT IS RECOMMENDED THAT THE RECEIVER EXTERSION BE TORQUED TO 35-39 FT. LBS (4.84-5.39 kg m) USING TORQUE WAENCH M162 CONTUNED WITH WRENCH





D REAR SWIVEL & BUTTPLATE INSTALLATION.

E. REAR SWIVEL SCREWAND BUTTPLATE SECUREO

APPENDIX A





RANDLE ASSY-(UNFOLDED FOR CLEANING BORE) BOD - SECTION HANDLE ASSY (FOLDED FOR CLEARING CHAMBER)

FIGURE A-1 BORE ARD CHAMSER CLEANING TOOLS

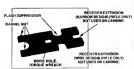


FIGURE A2. COMBINATION WRENCH (P/N 62696) (SEE FIG'S 3-2C, PAGE 21, 3-2P, PAGE 22 and 3-2G, PAGE 23)



FIGURE AS REFLECTOR TOOL (P/N 62694)



(P/N T27921) (SEE FIG. 2-2, PAGE 16)



(REE FIG. 3-2E, PAGE 21)



FIGURE A7. FIRING PIN PROTRUSION GAGE (P/N 62676) (BEE FIG. 2-4, PAGE 17)



FIGURE AS. PIVOT PIN DETENT INSTALLATION TOOL (PIN (2000) (SEE FIG. 6-3A, PAGE 40 and 6-38, PAGE 41)



FIGURE AS: PUNCH SETTER (PIN 62692) (WINDAGE DRUM ROLLPIN)



FIGURE AS. BOLT CATCH PIVOT PIN PUHCH (P/N 62680) (BEE FIG. 3-3K, PAGE 28)

FIGURE A16. GAS TUBE ROLL PIN PUNCH (P/N \$2007) (SEE FIG. 3-2J, PAGE 22)

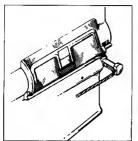
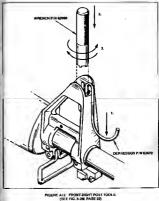


FIGURE A11. PIYOT PIN DETENT DEPRESSOR (P/N 62673).



Part No.

62290

95113



FIGURE A13. BARREL REMOVAL VISE JAWS (P/N 82895)

APPENDIX B

B1-2

REPLACEMENT PARTS LIST

HE MAN		
Figure No.	Page	Nomenclature
		UPPER RECEIVER GROUP
B1.1	52	Chaming Handle Assembly

52 Pin. Boll Latch. Prvot**

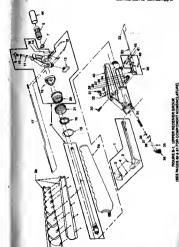
B1-3	52	Latch, Charging Handle	62288
B1-4	52	Spring, Charging Handle Latch	61875
B1-58	52	Handquard Assembly RH	62198
B1-5b	52	Handquard Assembly LH	62196
B1-6	52	Suppressor, Flash	62348
B1-7	52	Washer, Lock	62126
B1-6	52	Replacement Barrel & Front Sight	
		Assembly	62744
B1-9	52	Post, Front Sight	61706
B1-10	52	Detent, Front Sight	61705
B1-11	52	Spring, Front Sight Detent	61709
B1-12	52	Pri, Taper, Front Sight	62086
B1-13	52	Swivel Sling, Forward	62280
B1-14	52	Rivet, Front Swivel	91209
B1-15	52	Cap, Handguard	62087
B1-16	52	Pin, Roll, Gas Tube	95106
B1-17	52	Gas Tube Assembly	61645
B1-16	52	Snap Ring, Handguard	90403
B1-19	52	Spring, Weld Assembly, Handguard	
		Sig Ring	61962
B1-20	52	Nut, Barrel	61902
B1-21	52	Slip Fling, Hendguard	61901
B1-22	52	Pin, Cover Hinge	61658
B1-23	52	Ring, Retaining, Ejection Port Cover	90402
B1-24	52	Spring, Ejection Port Cover	61516
B1-25	52	Ejection Port Cover Assembly	62112
B1-26	52	Pin, Hott. Rear Sight Drum**	95101
B1-27	52	Drum, Windage	61703
B1-26	52	Detent, Rear Sight	61755
B1-29	52	Spring, Rear Sight Detent	61754
B1-30	52	Screw, Rear Sight Windage	61702
B1-31	52	Sight, Rear	61700

APPENDIX B (CONT.)

REPLACEMENT PARTS LIST (CONT.)

Figure No.	Page	Nomenclature UPPER RECEIVER GROUP	Part N
B1-32	52	Spring, Rear Sight	61700
B1-33	52	Pin, Roll, Forward Assist Assembly	95126
B1-34	52	Spring, Plunger	62271
B1-35	52	Pin. Rolf (Pawi Pivot)**	95113
B1-36	52	Pawl, Forward Assist	62269
B1-37	52	Detent, Pawl	62270
B1-38	52	Spring, Detent, Forward Assist	50361
B1-39	52	Plunger Assembly	62266
B1-40	52	Receiver Upper	62278
B1-41	52	Spring, Cover Latch	61696
B1-42	52	Latch, Cover	62321
B1-43	52	Ring, Retarring	52322
B1-44	52	Cap. Protective	91182

NOTE: " - Multiple use item.



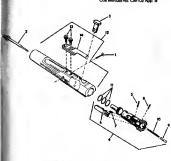
APPENDIX 8 (CONT.)

REPLACEMENT PARTS LIST (CONT.)

Figure No.	Page	Nomenclature BOLT CARRIER GROUP	Part No.
62-1	54	Pin, Retaining, Firing Pin	62335
B2-2	54	Pin, Firing	62294
B2-3	54	Pin. Cam	61704
B2-4	54	Bolt Assembly	62116
B2-5	54	Pin. Extractor	61563
B2-6	54	Extractor	61562
*B2-7	54	Spring, Extractor Assembly	62770
62-6	54	Pin, Roll, Elector	95102
82.6	54	Ejector	61564
82-10	54	Spreng, Erector and Safety Detent	61560*
B2-11	54	Ring, Bolt	61540
B2-12	54	Key & Bolt Carrier Assembly	62266
B2-13	54	Screw, Cap, Hex Socket Head	92201
B2-14	54	Key, Bolt Carrier	61547

"NOTE: P/N 62770 consists of P/N 62768, Insert Spring, and P/N 62769, Sonno Extractor. Both parts must be used as a unit.

NOTE: " - Multiple use item.



FROURE B-2. BOLT CARRIER GROUP (SEE PAGE 63 FOR COMPONENT HOMENCLATURE)

61657

81025

95105

10103

62178

62177

51804

62032

81755

81970

62221

81531

81250

61609

95101**

APPENDIX 8 (CONT.)

REPLACEMENT PARTS LIST Figure No. Page Nomenclature Part No. LOWER RECEIVER GROUP **B3-1** Screw Pistol Gdo 92701 B3-2 Washer Lock 90001 B3-3 Gno. Pistol 82194 B3-4 Spring, Ejector and Safety Detent 81569** B3-5 Detect Fire Control Selector 81785 B3-6 56 Spring, Detent, Takedown Pin #1602** B3-7 Detent Takedown Pin 51698** B3-8 Pm. Takedown 61655 B3-9 Buffer Assembly 82339 B3-10 Spring Action 61581 B3-11 56 Bultstock Stowage Assembly 62727 56 Extension, Receiver B3-12 61574 B3-13 Screw Buttean 92601 B3-14 'O' Ring Buttstock 90216 B3-15 Retainer Buffer 61582 B3-16 Spring Buffer Betainer 61404 B3-17 Pin, Hammer and Trigger 81854** B3-16 Hammer & Hammer Pin Retaining Assembly 82217 R3-19 56 Sonno Hammer 61697 B3-20 Pin Automatic Soar 61615 B3-21 Assembly, Automatic Sear 61677 B3-22 Selector Fire Control 61959 B3-23 56 Disconnect 62234 R3-24 Trinner 61055

Spring, Trigger

Catch Bolt

Spring, Disconnect

Pin Boll Bolt Catch

Plungar, Bolt Catch

Button, Magazine Release

Spring, Magazine Catch

Triocer Guard Assembly

Pin. Rot, Trigger Guard

Pin, Receiver Proof

Spring, Trioger Guard

Plunger, Trigger Guard

Bushing, Automatic Sear

Spring, Bolt Catch

Catch, Magazine

NOTE: " = Multiple use item

56

B3-25

R3-26

B3-27

R3-28

R3-29

B3-30

R3-31

B3-32

R3-33

B3-34

R3-35

R3-36

B3-37

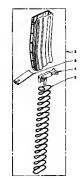
B3-38

B3-39

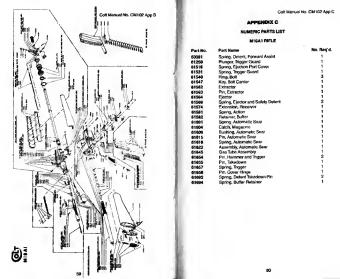
APPENDIX B (Cont.)

		REPLACEMENT PARTS LIST	
Figure No.	Page	Nomenclature	Part No
B3-40	56	Spring, Automatic Sear	61616
B3-41	56	Pin. Roll, Trigger Guard Pivot Pin	95106
B3-42	58	Buttstock	62738
B3-43	56	Buttplate Assembly	62738
B3-44	56	Door	62733
B3-45	56	Plunger	62731
B3-46	58	Sonna, Plunger	62732
B3-47	56	Pin. Plunger Betsiner	\$5201
B3-48	56	Hinge	62736
B3-49	58	Pri Hinge	62734
B3-50	56	Screw	62735
B3-51	58	Swivel	62737
B4-1	58	Sing, Silent	62249
B4-2	58	Loop, Sling Silent	62250
B4-3	58	Magazine Assembly—30 rounds	62326
B4-4	58	Follower, Magazine, Plastic-30 rounds	62665
84-5	56	Spring, Magazine-30 rounds	62666
84-6	58	Plate, Bottom, Magazine - 30 rounds	62088





PIGURE B4—SLING SILENT AND MAGAZINE (BEE PAGE 57 FOR COMPONENT MOMENCLATURE)



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No. Regid.

APPENDIX C (Cont.)

NUMERIC PARTS LIST (Cont.)

M18A1 RIFLE

Part Name

Spring, Cover Latch	1
Sonng, Hammer	1
Detent, Takedown Pin	2
Sight, Rear	1
Screw, Rear Sight Windage	1
Drum, Windage	1
Pin, Cam	- 1
Detect. Front Sight	- 1
Post, Front Sight	1
Sonno Rear Sight	- 1
Spring Front Sight Detect	i
Spring, Rear Scott Detent	i
Detent Hear Sight	i
Soring, Magazine Catch	- 1
Detent. Fire Control Selector	i
Spring Charging Handle Letch	- 1
Sko Ring, Handquard	- 1
Nut Barrel	- 1
Spring Disconnect	- 1
Trioner	- 1
Selector, Fire Control	- 1
Sip Ang	1
	i
	i
	2
	î
	Sight, Rear Screw, Rear Sight Windage Drum, Windage

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APPENDIX C (Cont.)

NUMERIC PARTS LIST (Cont.) MISAI PIFLE

Part No.	Part Name	No. Reg'd
82112	Ejection Port Cover Assembly	1
62116	Bolt Assembly	1
62126	Washer, Lock	1
62177	Spring, Boit Cetch	1
62178	Plunger, Bolt Catch	1
62194	Grap, Pastol	1
62196	Handguard Assembly LH	1
62196	Handquard Assembly RH	1
62221	Pin, Receiver Pivot	1
62246	Sing, Silent	1
62250	Logo, Sling Silent	As Require
62265	Plunger Assembly	1
62269	Pawl, Forward Asset	1
82270	Dentent, Pawl	1
62271	Spring, Plunger	1
62278	Receiver, Upper	1
62280	Swivel, Sting	1
02296	Key 6 Bolt Carner Assembly	1
62289	Latch, Charging Handle	1
62290	Charging Handle Assembly	1
62294	Pro, Fixing	1

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APPENDIX C (Cont.) NUMERIC PARTS LIST (Cont.)

MISAI RIFLE

Part No.	Part Name	No. P
62301	Catch, Bolt	
62317	Hammer and Hammer Pin Retainer Assembly	
62321	Latch, Cover	
62322	Florig, Retaining	
62328	Magazine Assembly (30 Flound)	,
62334	Discornect	
92335	Pin, Retaining, Firing Pin	
62339	Buffer Assembly	
62348	Suppressor, Flash	
62665	Follower, Magazine, Plastic (30 Round)	- 1
62556	Spring, Magazine (30 Flound)	
62000	Plate, Bottom, Magazine (30 Round)	
62727	Buttistock Stowage Assembly	
62728	Buttplate Assembly	
62731	Plunger	- 1
52732	Spring, Plunger	
62733	Door Congar	
62734	Pin Hinge	
62735		1
	Screw	1
62736	Hinge	1
62737	Swivel	1
62738	Buitstock	- 1
82744	Declarational During and Court State	

APPENDEX C (Cont.) NUMERIC PARTS LIST (Cont.)

	M16A1 RIFLE	
Part No.	Part Hame	No Regid.
62770	Spring Assembly, Extractor	1
90001	Washer, Lock	. 1
90402	Ring, Retaining, Exection Port	
	Cover	1
90403	Snap Ring, Handguard	1
01102	Cap, Protective	As Required
81209	Rivet, Front Swivol	1
92201	Screw, Cap, Hex Socket Head	2
92701	Screw, Pistol Grap	1
95101	Pin, Roll, Rear Sight, Drum and	
	Triocer Guard	2
95102	Pin, Roll, Ejector and Plunger Retainer	1
95105	Pin. Roll. Bolt Cmich	1
95106	Pin, Roll, Trigger Guard Pivot Pin	1
95106	Pin, Roll, Gas Tube	1
95113	Pin, Roll, Latch or Pawl Pivot	2
95126	Pin. Roll, Forward Assist Assembly	1



COLT'S ARMORER'S KIT CONTAINS THE NECESSARY TOOLS FOR INSPECTION, MARKEMANCE AND REPAIR OF THE BITS A MIGAL AUTOMATIC REFLE. THE KIT IS INTERNATED FOR USE BY THE ARMORER AND DEPOT PERSONNE!

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